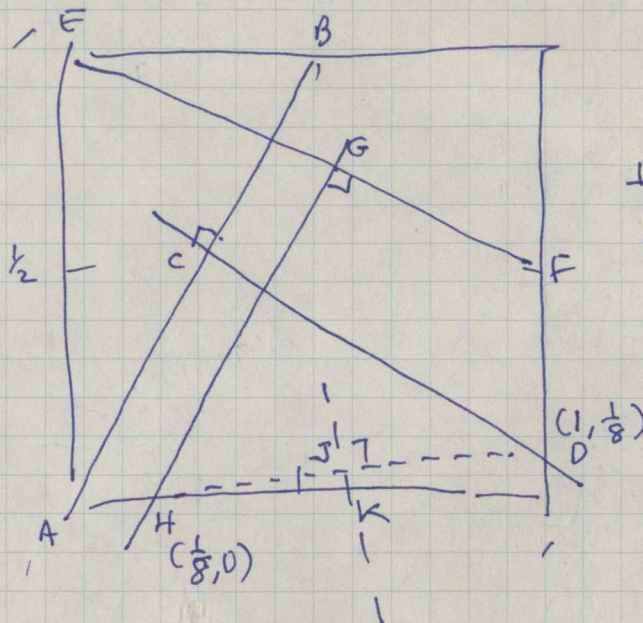


CALCULATION SHEET

$$(7x-1x) \text{ cm} = -6 \text{ cm}$$

▲ 5010.65

CALCULATION IDENTIFICATION NUMBER				PAGE ____
J.O. OR W.O. NO.	DIVISION & GROUP	CALCULATION NO.	OPTIONAL TASK CODE	



$$\overline{AB} = y = 2x$$

$$\perp \overline{AB} \rightarrow m = -\frac{1}{m} = -\frac{1}{2}$$

$$\overline{CD} = y = -\frac{1}{2}x + b$$

$$\frac{1}{2} = -\frac{1}{2}$$

$$\frac{(y - \frac{1}{2})}{(x - \frac{1}{4})} = -\frac{1}{2}$$

$$y - \frac{1}{2} = -\frac{1}{2}x + \frac{1}{8}$$

$$\overline{CD} = y = -\frac{1}{2}x + \frac{5}{8}$$

$$@ x=1, D = (1, \frac{1}{8})$$

$$\overline{EF} = y = 1 - \frac{1}{2}x$$

$$m_{GH} = +2 = \frac{(y - \frac{3}{4})}{(x - \frac{1}{2})} \quad G = (\frac{1}{2}, \frac{3}{4})$$

$$2x - 1 = y - \frac{3}{4}$$

$$y = 2x - \frac{1}{4}$$

$$H: @ y=0, x = \frac{1}{8} \quad H = (\frac{1}{8}, 0)$$

$$\overline{DH} = y = mx + b$$

$$y = \left(\frac{y_2 - y_1}{x_2 - x_1} = \frac{y_8 - 0}{1 - \frac{1}{8}} = \frac{\frac{1}{8}}{\frac{7}{8}} = \frac{1}{7} \right) x + b$$

$$\overline{DH} \quad y = \frac{1}{7}x + b$$

$$\perp \overline{DH} = m = -7 \quad J = (\frac{7}{16} + \frac{1}{8}, \frac{1}{16})$$

$$\overline{JK} = m = -7 = \frac{y - \frac{1}{16}}{x - (\frac{7}{16} + \frac{1}{8})} = \frac{y - \frac{1}{16}}{x - \frac{9}{16}} = -7$$

$$y - \frac{1}{16} = -7x + \frac{63}{16}$$

$$\overline{JK} \quad (y = -7x + 4)$$

$$@ y=0 \rightarrow K \quad -7x = 4 \quad x = -\frac{4}{7}$$